

FIG. 3

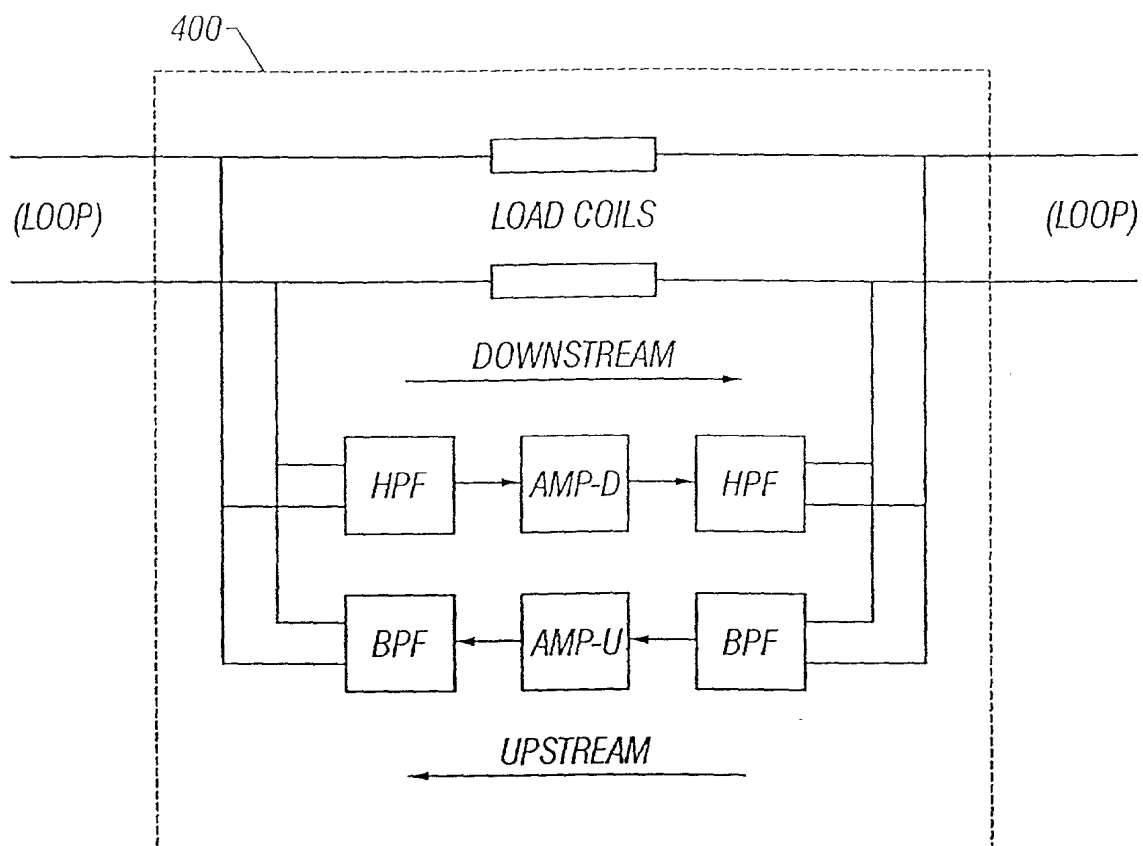
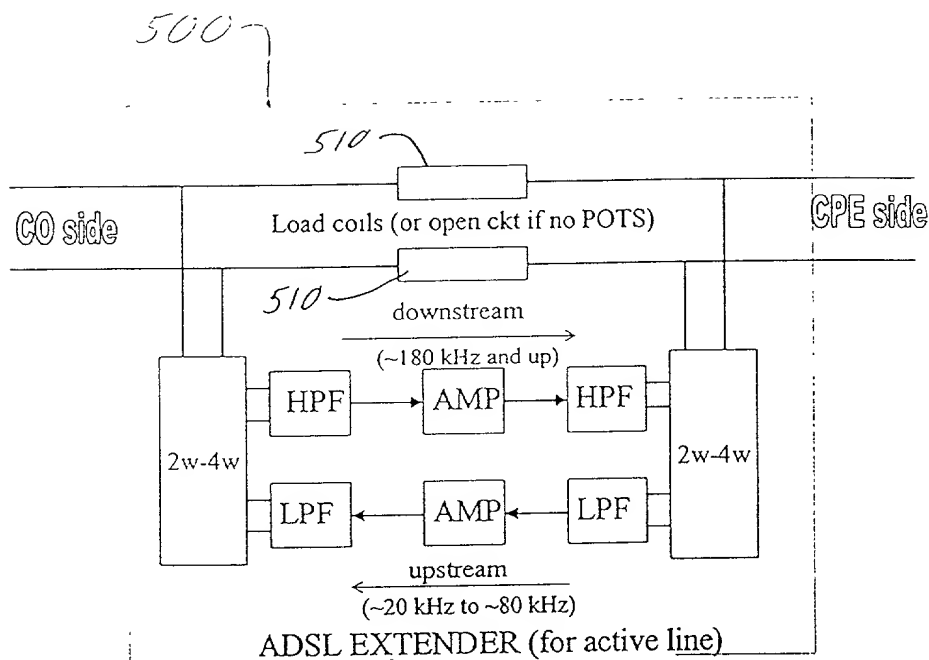


FIG. 4

Fig 5



1.0-A :Extender spacing = 6000 feet; load coils = 88 mH

1.0-B : Extender spacing = X (TBD); no load coils

Fig. 6

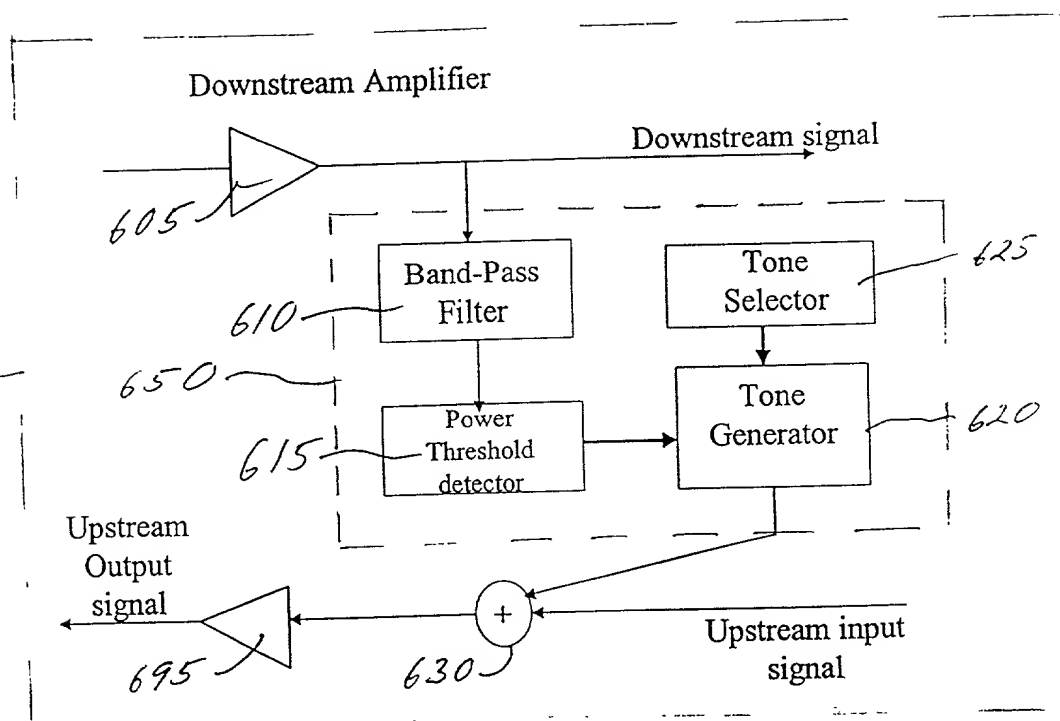


Fig 7

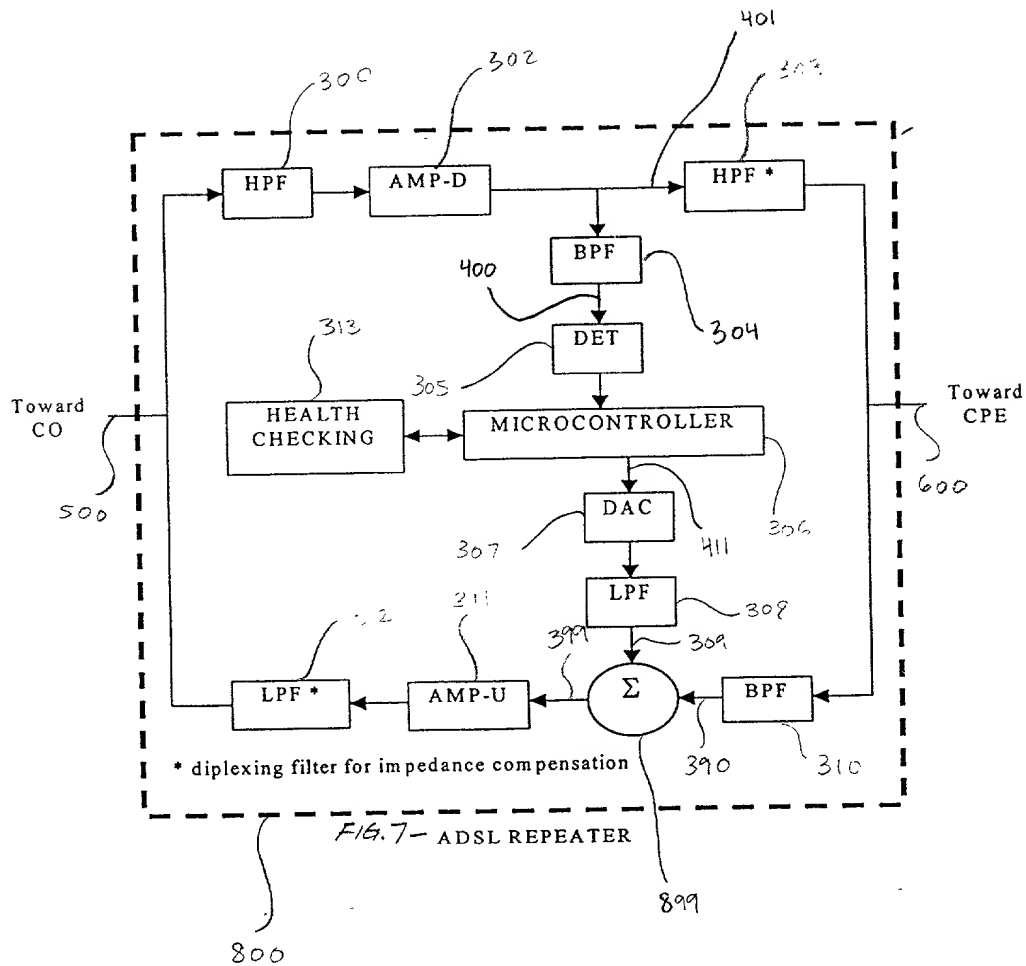


Fig 8

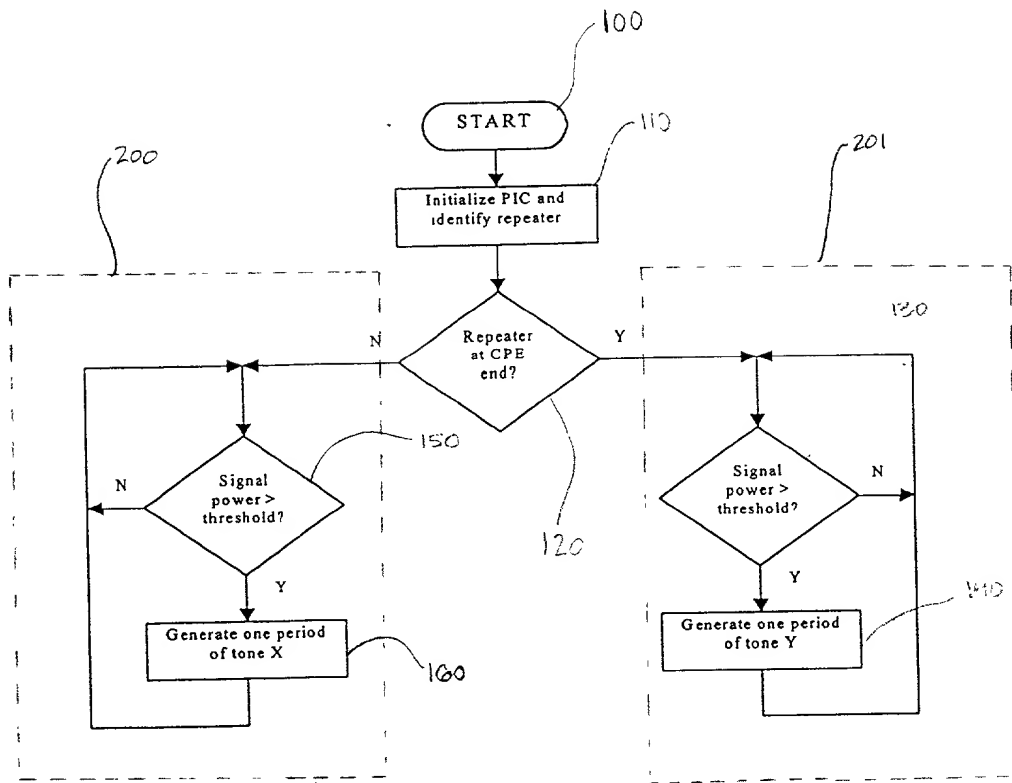


FIG8- AUTONOMOUS LOOPBACK FLOWCHART

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Fig 9

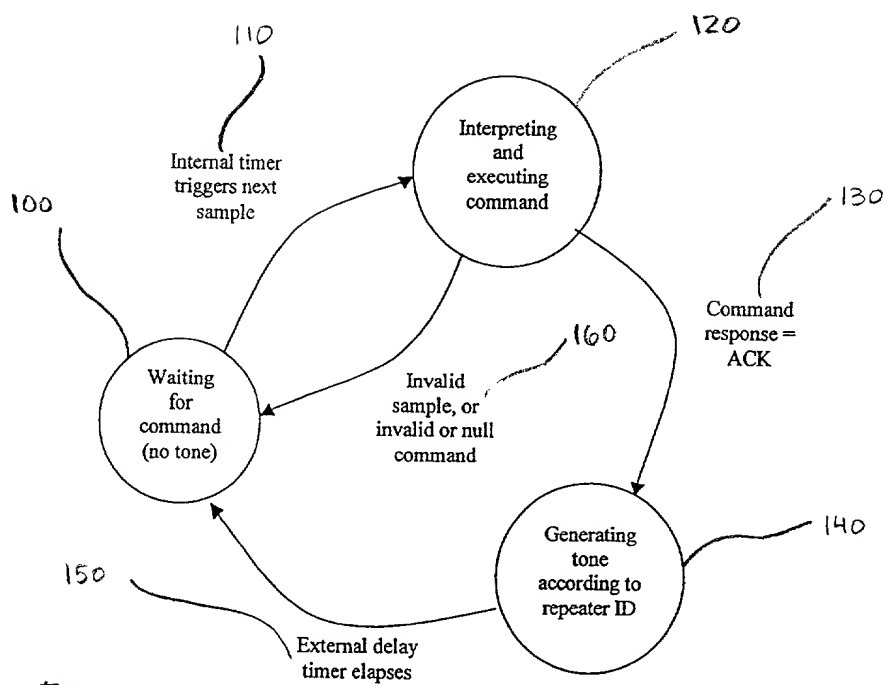


FIG.9- STATE GRAPH FOR NON-AUTONOMOUS LOOPBACK

Fig 10

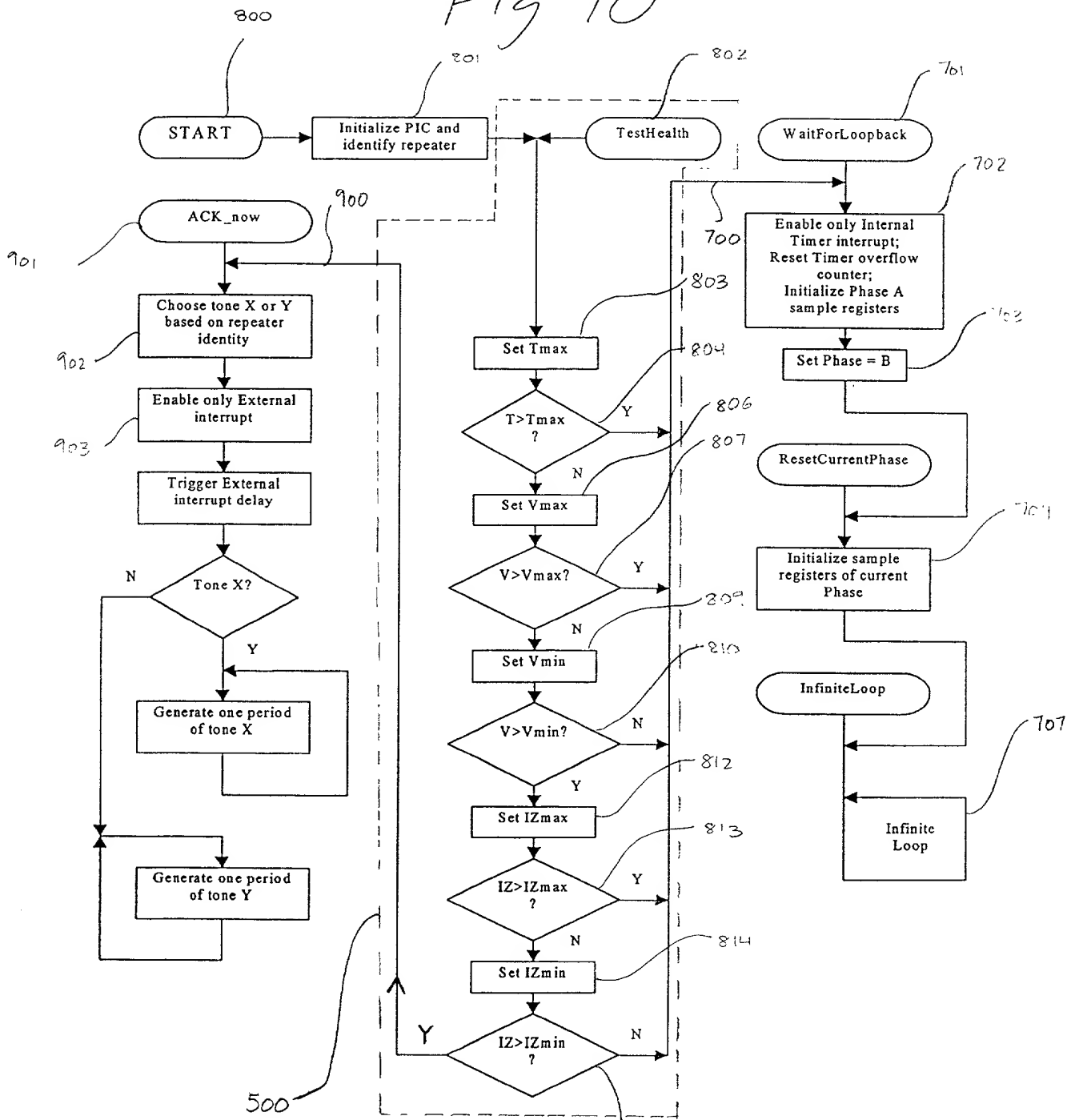


FIG. 10 - GENERAL REPEATER SOFTWARE

Fig 11

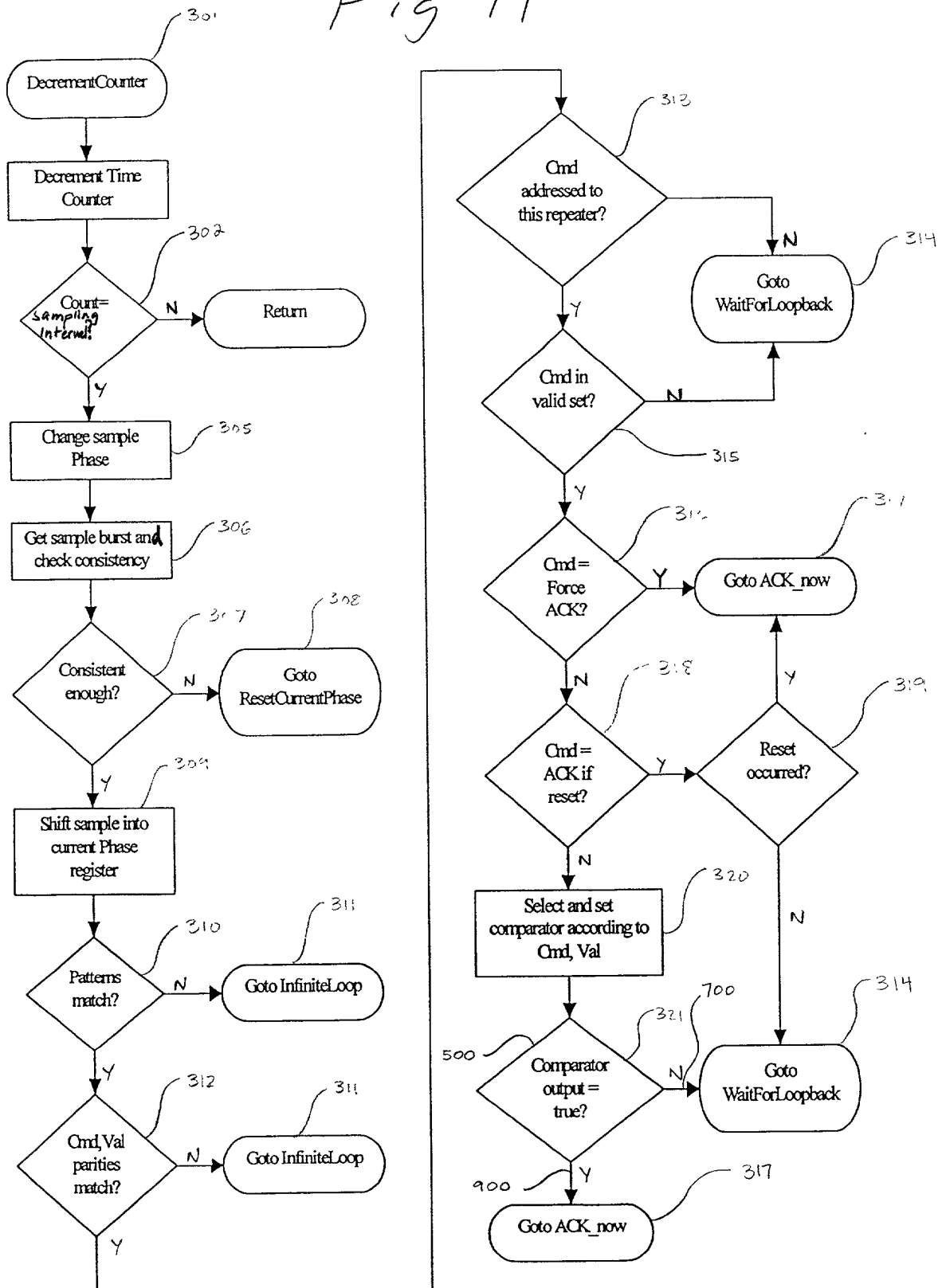


FIG. 11 - SAMPLING AND LOOPBACK COMMAND INTERPRETING SOFTWARE

1047190-8828850

Fig 12

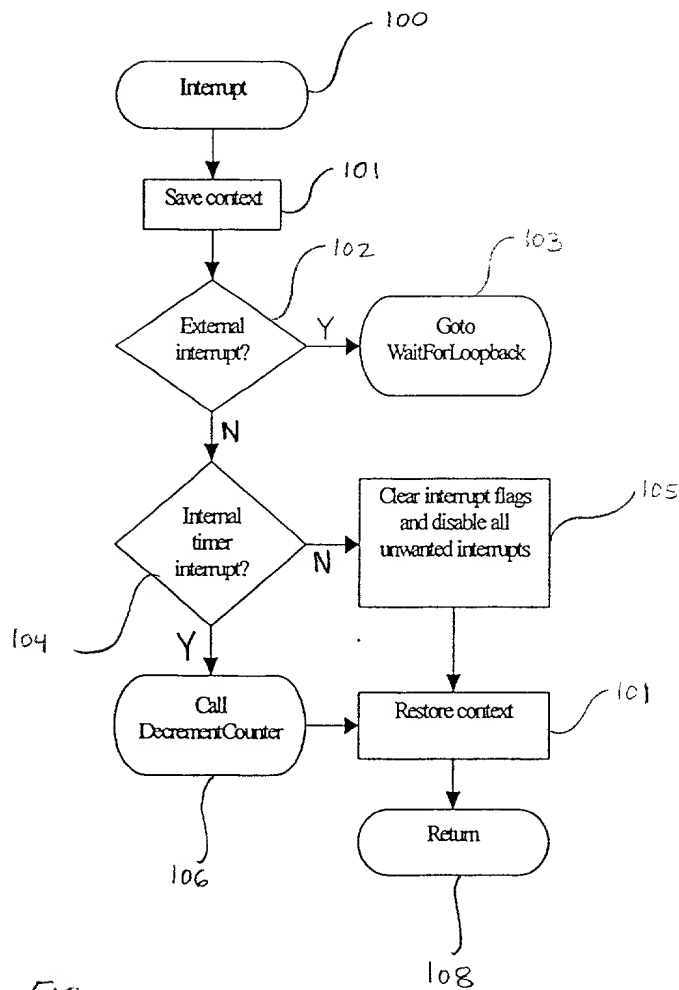


FIG. 12 - INTERRUPT SOFTWARE